

Message Text

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E.O. 11652: N/A

TAGS: TGEN, NATO

SUBJECT: NATO SCIENCE COMMITTEE (SC) - INSTRUCTIONS FOR
FEB. 5-6, 1976 MEETING

REF: NATO 283

1. SUMMARY. GUIDANCE PROVIDED US DELEGATES TO SUBJECT
MEETING. PARTICULAR EMPHASIS GIVEN TO RELATING SC
PROGRAM TO OTHER NATO ACTIVITIES AND TO FURTHER DEVELOP-
MENT OF US PROPOSAL TO ESTABLISH PRIORITY PROGRAM IN
FIELD OF MATERIALS SCIENCES. END SUMMARY.

2. COMMENTS ARE KEYED TO AGENDA ITEMS.

-- ITEM 1. OPENING REMARKS OF CHAIRMAN. NO COMMENT.

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-- ITEM 2. ANNUAL REPORT ON DRG ACTIVITIES. REFERENCE DOC. NOT AVAILABLE. US DEL WOULD APPRECIATE BRIEFING FROM MISSION ON ACTIVITIES REPORT, PARTICULARLY WITH RESPECT TO SC PROGRAM. WE FEEL SC UNCLASSIFIED BASIC RESEARCH PROGRAM SHOULD BE MORE CLOSELY RELATED TO DEFENSE RESEARCH PROBLEMS.

-- ITEM 3. FUNDING OF 1976 PROGRAM. US DEL MAY SUPPORT SECRETARIAT PROPOSALS FOR ALLOCATION OF 1976 CREDITS INCLUDING AUTHORITY FOR ASG TO MAKE SHIFTS OF UP TO 20 PERCENT IN ALLOCATIONS AMONG ITEMS WITHIN PROGRAM DEVELOPMENT FUND. WITH RESPECT TO LATTER, US DEL MAY NOTE THAT THIS FLEXIBILITY REQUIRED SINCE PROGRAM PLANNING FUND APPEARS MINIMUM TO SUPPORT NEW ACTIVITIES SUCH AS ESTABLISHMENT OF MATERIALS SCIENCE SPP.

--ITEM 4. ANNUAL REPORT. DRAFT REPORT JUST RECEIVED IS USEFUL FIRST STEP TO BETTER ACQUAINT NAC WITH WORK OF SC. ALTHOUGH WE AGREE WITH NEED TO PREPARE BRIEF READABLE REPORT, WE FEEL THIS DRAFT TOO BRIEF AND LACKS LUSTER TO DRAW ATTENTION OF NAC. ALSO FEEL THAT GREATER CARE SHOULD BE GIVEN TO FACTUAL ACCURACY WITH REFERENCE TO PENULTIMATE SENTENCE IN INTRODUCTION CONCERNING REDUCTION OF BUDGET IN REAL TERMS. WE FEEL IT A MISTAKE TO CONCENTRATE ON BUDGET LIMITATIONS; IT MORE IMPORTANT TO STRESS CONCERNS ON POLICY ISSUES. SUGGEST SOME REFERENCE BE GIVEN TO VALUE/USEFULNESS IN DISCUSSION ON SC ACTIVITIES. ALSO SUGGEST SOME EMPHASIS BE GIVEN TO INNOVATIVE NATURE OF PROGRAM DEVELOPMENT FUND (SSPP'S AND CONFERENCES) TO ENABLE SC TO RESPOND TO NEW NEEDS.

-- ITEM 5. FELLOWSHIP PROGRAM. US DEL MAY COMMENT ON SUBCOMMITTEE REPORT AS APPROPRIATE BASED ON ADVICE AND GUIDANCE PROVIDED BY NSF FELLOWSHIP ADMINISTRATOR. WITH REF TO PARA 23 OF AC/137-D/595, US DEL MAY UNDERSCORE VALUE US AUTHORITIES GIVE TO NEXT MEETING OF SUBCOMMITTEE TO BE HELD IN WASHINGTON.

-- ITEM 6. SENIOR SCIENTISTS PROGRAM. US DEL MAY COMMENT ON STANDING GROUP REPORT AS APPROPRIATE. QUESTION MAY UNCLASSIFIED

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BE RAISED AS WITH OTHER SC PROGRAMS ON MEANS AND EFFECTIVENESS OF MAKING SC PROGRAMS KNOWN TO SCIENTIFIC COMMUNITY.

-- ITEM 7. RESEARCH GRANTS PROGRAM. SAME COMMENT AS ITEM 6. DUE TO CRITICAL LIMITATION OF FUNDS FOR THIS SC PROGRAM, WE ARE IN COMPLETE AGREEMENT WITH APPLYING GREATER SEVERITY IN AWARDING EXTENSIONS AND IN

CONSIDERING REPEATED APPLICATIONS, PARAS 9 AND 14 OF SC/137-D/588. US DEL MAY ALSO NOTE STRONG SUPPORT GIVEN RESEARCH GRANTS PROGRAM BY RETIRING CHAIRMAN, BASOLO, WHO HAS CONTACTED MANY AUTHORITIES IN US URGING INCREASED FUNDING FOR THIS PROGRAM.

-- ITEM 8. ASI PROGRAM. SAME COMMENT AS ITEM 6 WITH QUERY ON WHEN AND HOW COMPLETE LIST OF 1976 ASI'S WILL BE AVAILABLE TO SCIENTIFIC COMMUNITY. IT MIGHT ALSO BE USEFUL TO GIVE INDICATION OF PREVIOUS AWARDS TO

APPLICANTS, IN LIST OF ASI PROPOSALS, ANNEX TO AC/137-D/594.

-- ITEM 9. SPECIAL PROGRAM PANELS. SUGGEST SECRETARIAT PRESENT "CRITERIA FOR JUDGING SPECIAL PROGRAM PANELS" IN ANNEX TO AC/137-R/53 PRIOR TO DISCUSSION OF CHAIRMEN REPORTS, ASG. SEA(76)024.

--- A. SYSTEMS SCIENCE PANEL, AND OTHER PANELS TO LESSER EXTENT, USE VARIETY OF MECHANISMS (APPRENTICESHIPS, ADVANCE RESEARCH INSTITUTES, VISITING EXPERTS, ETC.) WHICH ARE CLOSELY RELATED TO TRADITIONAL SC PROGRAM ACTIVITIES. SUGGEST SEEKING VIEWS HOW SUCH PANEL ACTIVITIES INTERACT OR INTERFERE WITH FELLOWSHIPS, SENIOR SCIENTISTS, RESEARCH GRANTS, ASI PROGRAMS.

--- B. HUMAN FACTORS PANEL REPORT IS REFLECTIVE YET DIFFUSE. DIFFICULT TO ASSESS IMPACT OF PANEL PROGRAM. WITH RESPECT TO PROPOSING PANEL CANDIDATES, SUGGEST PANEL UNDERSCORE DISCIPLINES NEEDED RATHER THAN JUST PUT FORWARD NAMES. PANEL CHAIRMAN EMPHASIZES INVESTMENT IN CONFERENCES AND SYMPOSIA; RECOMMEND SC EVALUATE IN UNCLASSIFIED

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DEPTH AT EARLY MEETING USEFULNESS THESE ACTIVITIES, PARTICULARLY TO OTHER SC PROGRAMS.

--- C. ECO SCIENCES, MARINE SCIENCES, AIR-SEA INTERACTION REPORTS POINT UP NEED FOR CLOSE COOPERATION WITH OTHER SC PROGRAM ACTIVITIES AS WELL AS PROVIDING SUPPORTIVE PANELS TO REINFORCE AND ENSURE APPROPRIATE FOLLOW UP TO WORK OF CCMS. SUGGEST SC BE ASKED TO CONSIDER MEANS TO ENCOURAGE SUCH JOINT INTERESTS INCLUDING SC PROGRAM ACTIVITIES COVERED UNDER RESEARCH GRANTS AND ASI'S.

--- D. SINCE SSPP'S ARE CONCERNED WITH UNIQUE, FRONTIER RESEARCH PROBLEMS, SUGGEST SC DEVOTE ONE HALF DAY PER MEETING TO INDEPTH DISCUSSION OF ONE PARTICULAR PANEL

PROGRAM. ALSO SUGGEST, IF ACCEPTABLE TO SC, THIS SC DEBATE BE HIGHLIGHTED IN REPORT TO NAC.

-- ITEM 10. MEMBERSHIP ON PANELS. WE ARE SYMPATHETIC WITH PROBLEMS POSED BY SECRETARIAT TO ENSURE, FIRSTLY INDIVIDUAL QUALITIES OF PANEL MEMBERS, AND ONLY SECONDARILY, NATIONAL DISTRIBUTION. HOWEVER, IT IMPORTANT THAT SC REPS AND NATIONAL BACKSTOPPING AUTHORITIES BECOME INCREASINGLY INVOLVED IN EVALUATION AND DEVELOPMENT OF NATO SCIENCE PROGRAM INCLUDING LINKS TO OTHER NATO ACTIVITIES (E.G. AGARD AND CCMS) AS WELL AS OTHER INTERNATIONAL PROGRAMS. WE SUPPORT, IN

PRINCIPLE, SECRETARIAT PROPOSAL THAT SC AND NATIONAL AUTHORITIES "MAKE CONTINUING CONTRIBUTIONS" TO A PERMANENT FILE OF PROPOSED PANEL MEMBERS. WE PROPOSE THAT SECRETARIAT PRESENT SC WITH TENTATIVE INDICATIVE LIST OF PANEL VACANCIES (INCLUDING DISCIPLINES) AT WINTER MEETING AS WELL AS REMINDER AT SPRING MEETING. FURTHERMORE, WE STRONGLY RECOMMEND INTENSIFIED INFORMAL CONTACTS BETWEEN SECRETARIAT AND SC REPS/NATIONAL AUTHORITIES TO AVOID PROBLEMS NOTED IN AGENDA DOC.

-- ITEM 11. RATIONAL USE OF SCARCE METALS. THIS SC STUDY SHOULD PROVIDE USEFUL FOUNDATION TO US PROPOSAL FOR LONGER-TERM SSPP ON MATERIALS SCIENCE.
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-- ITEM 12. MATERIALS SCIENCE. FOLLOWING OCT. 75 SC MEETING US AUTHORITIES (NSF/STATE) HAVE OUTLINED SCOPE STATEMENT AND ILLUSTRATIVE PLAN OF ACTION FOR SPECIAL PROGRAM PANEL ON MATERIALS SCIENCE. THIS PROPOSAL IS BASED ON THOROUGH CONSIDERATION OF ONGOING WORK OF AGARD AND OTHER INTERNATIONAL ORGANIZATIONS. WE FEEL PROPOSED WORK THIS AREA SHOULD BE GIVEN PRIORITY SUPPORT BY SC AS FUNDAMENTAL, LONG-TERM INTEREST OF ALLIANCE. WE HAVE SECURED ABSOLUTELY TOP EXPERT US PARTICIPATION IN FUTURE DEVELOPMENT OF THIS ACTIVITY THROUGH DR. N. BRUCE HANNAY, VICE PRESIDENT FOR RESEARCH AND PATENTS, BELL TELEPHONE LABS WHO IS CHAIRMAN OF NATIONAL MATERIALS ADVISORY BOARD, NRC/NAS/NAE, AND ALSO FOREIGN SECRETARY OF NATIONAL ACADEMY OF ENGINEERING. EITHER DR. HANNAY AND/OR DR. ALAN CHYNOVETH, DIRECTOR OF MATERIALS RESEARCH, BELL TELEPHONE LABS, WILL ENSURE FURTHER DEVELOPMENT OF THIS PRIORITY SC PROGRAM.

-- ITEM 13. WE UNDERSTAND NORWEGIAN REP MAY PROPOSE CONSIDERATION OF NEW SPP ON ENVIRONMENTAL SURVEILLANCE. US DEL PREPARED TO SUPPORT THIS PROPOSAL DRAWING ON

INTEREST AND BACKGROUND STATEMENT FROM NBS WAVE
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